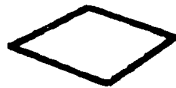


**Figure 1, Definition of symbols**

Binding moiety



Analyte

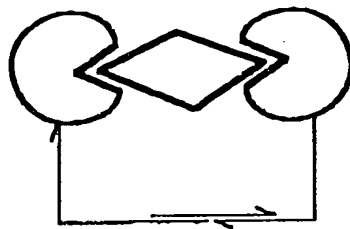
Oligonucleotide, 3' end  
shown with arrowProximity probe, oligonucleotide  
with free 5' endProximity probe, oligonucleotide  
with free 3' endLigation of proximity-probes bound to  
target analyte

Figure 2. Template promoted ligation variants

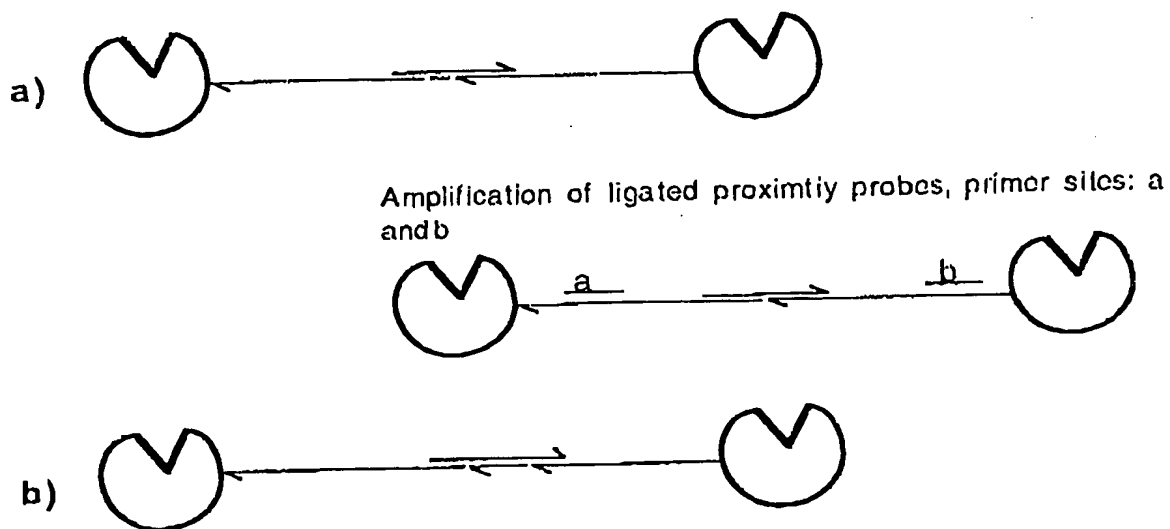


Figure 3. Fill-in polymerisation prior to ligation

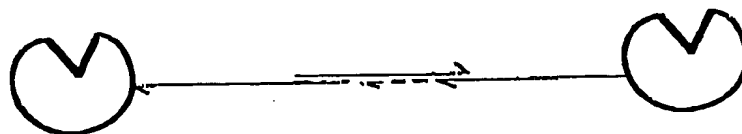


Figure 4. Ligation of supplementary oligonucleotides, x and y, to the proximity-probe-hybridisation oligonucleotide z. Amplification primer sites a and b.

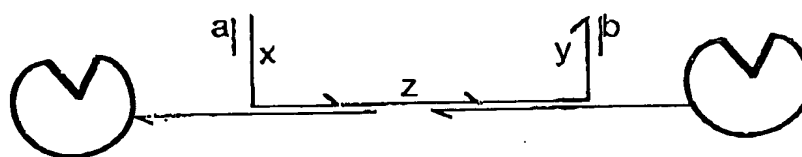
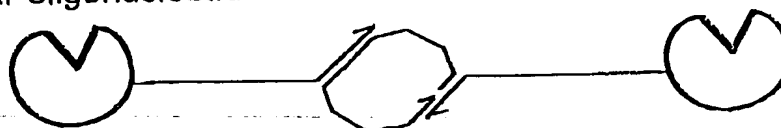


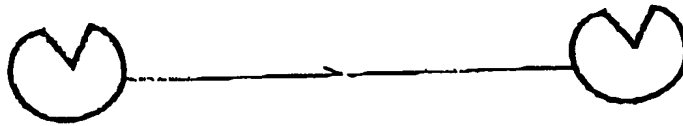
Figure 5. Generation of circular DNA, for rolling circle amplification



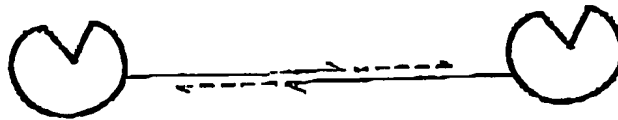
Figure 6. Priming of rolling circle amplification by a proximal oligonucleotide



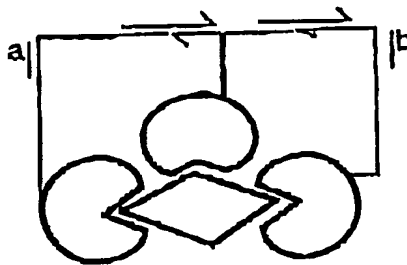
**Figure 7. Template unassisted ligation by T4 RNA ligase**



**Figure 8. Both probes with free 3'- ends capable of hybridising to each other.**



**Figure 9. Requirement of two ligation events, using three binding moieties. Amplification primer sites a and b.**



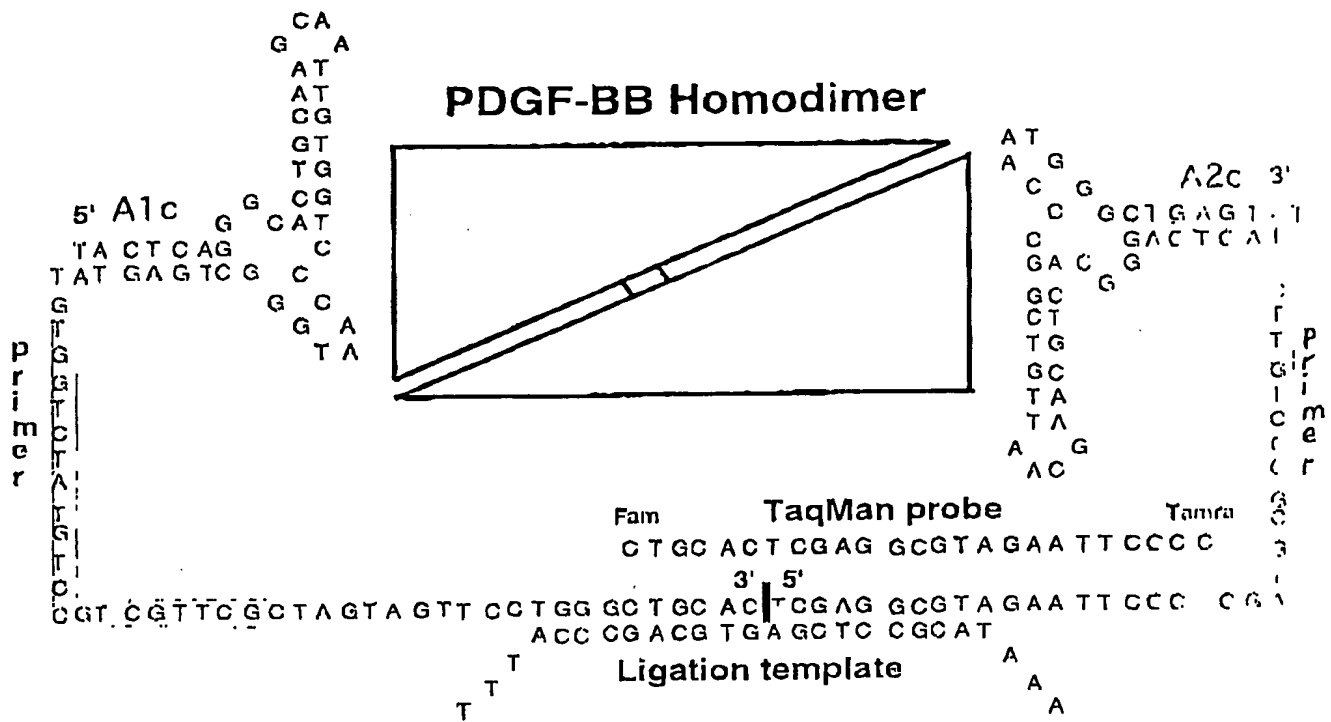


Figure 10

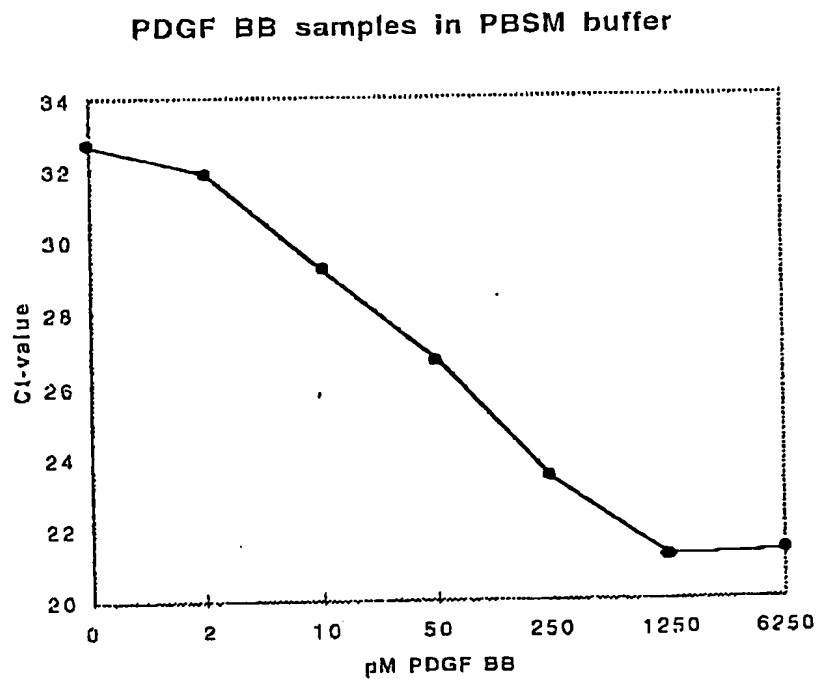


Figure 11

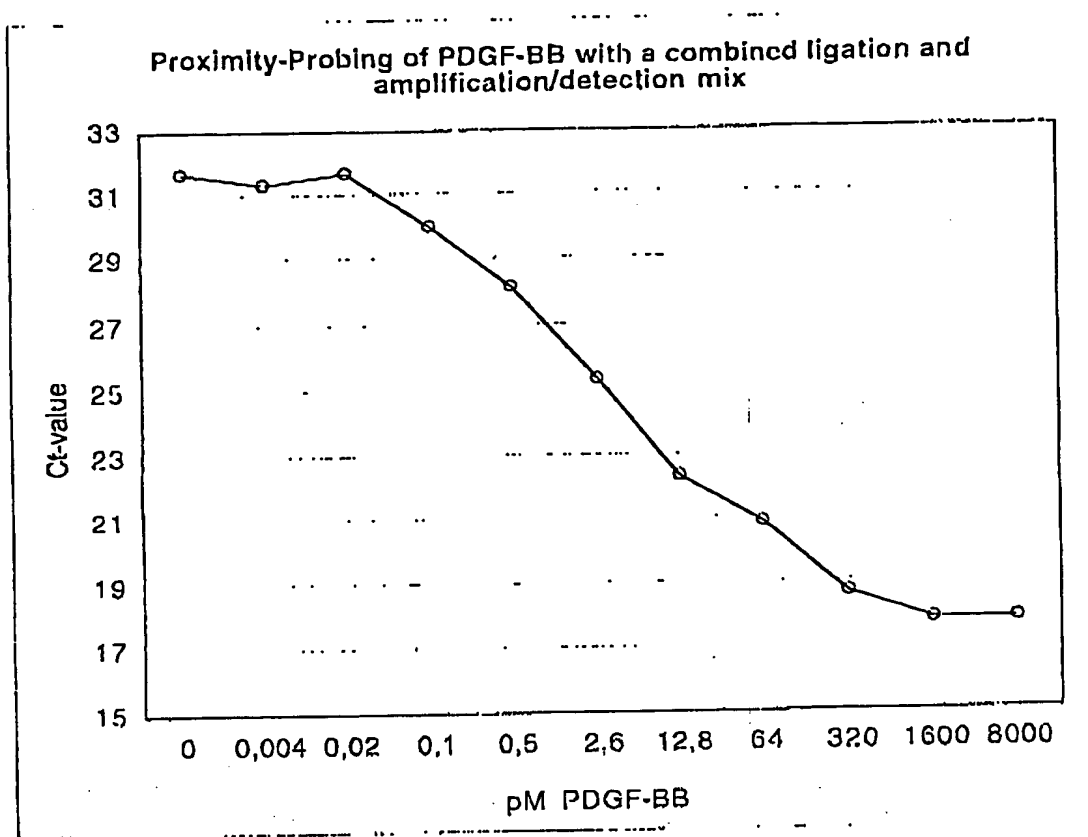


Figure 12

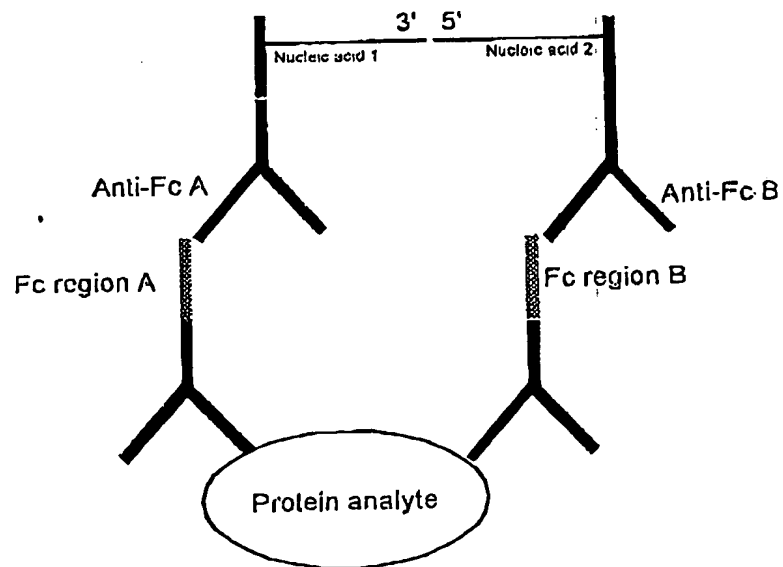


Figure 13

Figure 14

